

WCCF  
77

GRAPHICS, 320 x 200,  
\$39 extra

EIA video  
(NTSC?)

Also dust  
minifloppy

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SPW	Space War game. Gives the user control of rotation acceleration, and firing of two space ships. Runs in dense or super dense modes. Runs in 2K of memory and requires 2K or 8K of display memory. Available on Tarbell format cassette.	\$25	avail:May
DSPW	Delux version of Space War. Allows user definition of space ship design including graphic display and ship dynamics.	\$35	avail:May
SPW-L	Source listing for SPW.	\$10	
DSPW-L	Source listing for DSPW.	\$10	
KC-1	Keyboard cable - 6', 16 lead flat cable with IC plug on one end.	\$8	del:stock
KC-2	Keyboard cable - 16 lead flat cable with IC plugs on both ends. Specify length (6' maximum)	\$10	del:stock

On the Drawing Board.....

Color Graphics Add-on to MERLIN

Low cost 2708 PROM Programmer

16K Dynamic RAM board - 200ns fast

Z-80 CPU board with Power-on-Jump

Joystick Input Device

All prices subject to change without notice.  
Minifloppy is a registered trademark of Shugart.



**Miniterm Associates**

Box 268, Bedford, Mass. 01730

April 1977

Miniterm Associates is the designer and manufacturer of the popular MERLIN Video Interface, and of the SYSTEM 80/2, one of the first S-100, dual minifloppy™ systems. Miniterm Associates also provides a number of add-on support boards for the MERLIN interface and many S-100 bus peripherals. A brief product description, price and availability/delivery of each unit is listed below. A detailed brochure and specification sheet for each product can be obtained by writing Miniterm.

ITEM	DESCRIPTION	PRICE
MERLIN-K	MERLIN Video Interface kit, including User Manual and all parts except MBI and MEI ROM software. MERLIN is the most advanced video interface available for the S-100 bus with both character and graphic display modes.	\$269
MERLIN-A	Assembled and tested MERLIN Video interface.	\$349
MERLIN-M	MERLIN User Manual. Over 200 pages of hardware and software documentation for the MERLIN Interface, including MBI listing and MERLIN schematics.	\$10
MBI	MERLIN Basic Intelligence ROM (See software section for details)	\$39.95
M320-K	MERLIN Super Dense graphics add-on kit. Increases MERLIN graphic resolution to 320H by 200V. (Replaces MERLIN "sparse" graphics mode.) Upgrades MERLIN to the best graphics resolution available for the S-100 bus system.	\$39
M320-A	Assembled and tested Super Dense Add-on.	\$54
MCAS-K	MERLIN Software 1500 Baud Cassette Interface Kit. Reads and writes Tarbell (Miniterm standard) format cassettes. Driving software is available on the MEI ROM and a listing is provided in the Manual. (Requires KC-2 and MEI or equiv. ROM software.)	\$29
MCAS-A	Assembled and tested Cassette interface.	\$44

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MSEK-K	MERLIN Serial I/O Expansion Kit. Expands MERLIN's keyboard and serial I/O port to 3 parallel inputs and 3 parallel outputs. Ideal for interfacing game controllers, joysticks, etc. Software driver listing provided.	\$45	del:3-5wks
MSEK-A	Assembled and tested expansion board.	\$75	del:4-6wks
MC/IO-K	Combination of MCAS & MSEK on one PC board. Designed to be housed in your keyboard enclosure.	\$67	del:3-5wks
MC/IO-A	Assembled and tested cassette and expansion board.	\$99	del:4-6wks
ROM/EROM-K	8K, 2708 ROM kit. Also accepts both 1K & 2K mask ROMs for up to 16K ROM on one card. Includes power-on jump start to any 1K address and individual 1K buffer enables.	\$89	del:3-5wks
ROM/EROM-A	Assembled and tested ROM card. ROMs are not included with either the kit or the assembled unit.	\$129	del:4-6wks
2708	1K programmable, erasable ROM.	\$42	
FDI-K	Minifloppy™ Interface kit. Provides control and interface signals for up to three minifloppies. Bootstrap ROM and file read/write software provided. Features on-board FIFO storage.	\$260	del:4-6wks
FDI-A	Assembled and tested minifloppy interface.	\$329	del:5-8wks
KYBD-A	90 key word-processing keyboard. Uses tactile feedback, 100 million operation guaranteed keyswitches. Has upper and lower case, 12 function keys, numeric pad, 4 on/off keys and auto-repeat. Comes assembled and tested in an attractive enclosure.	\$235	avail:June
BKPL*	8 slot, S-100 backplane printed circuit board.	\$35	del:2-4 wks
BKPL-E*	BKPL with 8 high quality, gold plated edge connectors, wave soldered and tested.	\$109	del:3-5 wks

\* Price is deductible from a later purchase of the MiniTerm SYSTEM 80/2.

CDRK*	Card rack and BKPL-E. Designed for card ejectors. Ideal way to begin your SYSTEM 80/2 minifloppy system.	\$160
SYSTEM 80/2	Dual minifloppy™, S-100 buss mainframe and power supply. Includes 8 slot card rack with edge connectors (CDRK) and 10A power supply (+8V, +16V) and +5v, +12 (regulated) for two minifloppies. Does not include drives.	del:4-6wks
SYSTEM 80/2-1	Dual minifloppy , S-100 bus system +. Includes: SYSTEM 80/2 mainframe Z-80 CPU with jump start 16K dynamic memory (no wait state at 4MHz) (1) minifloppy drive (1) FDI minifloppy interface MDOS- word processing editor, Zilog mnemonic assembler and file maintenance software MBI - Monitor/Editor ROM software 90 key word processing keyboard Assembled and tested only. This is the most complete minifloppy system presently available. It is ideal for the advanced hobbyist and small business application.	\$2699 avail:June
	+ One minifloppy included; expandable, in mainframe, for second minifloppy.	
SOFTWARE		
MBI	2K by 8 mask ROM Monitor/Editor for the MERLIN display and 256 by 8 scratch pad RAM. The Monitor provides full turnkey monitor function while the editor provides full cursor control, wrap-a-round scrolling and text editing (insert, delete and replace). This is the most sophisticated Monitor/CRT Editor offered anywhere with a total of 30 defined commands and 11 user defined commands. Easily interfaced to standard programs such as BASIC or other monitors.	\$39.95 del:3-5wks
MEI	MERLIN Expanded Intelligence ROM - Cassette (MCAS) read/write routines, extended edit and monitor commands and graphic subroutines. Plugs into MERLIN .	\$34.95 avail:May
ZAPS	Z-80 Algorithmics Programming System. Cassette operating software, including labeled files, context editor, and Zilog mnemonic assembler. Available on Tarbell format cassette.	\$60 del:stock